

106020" 9246860

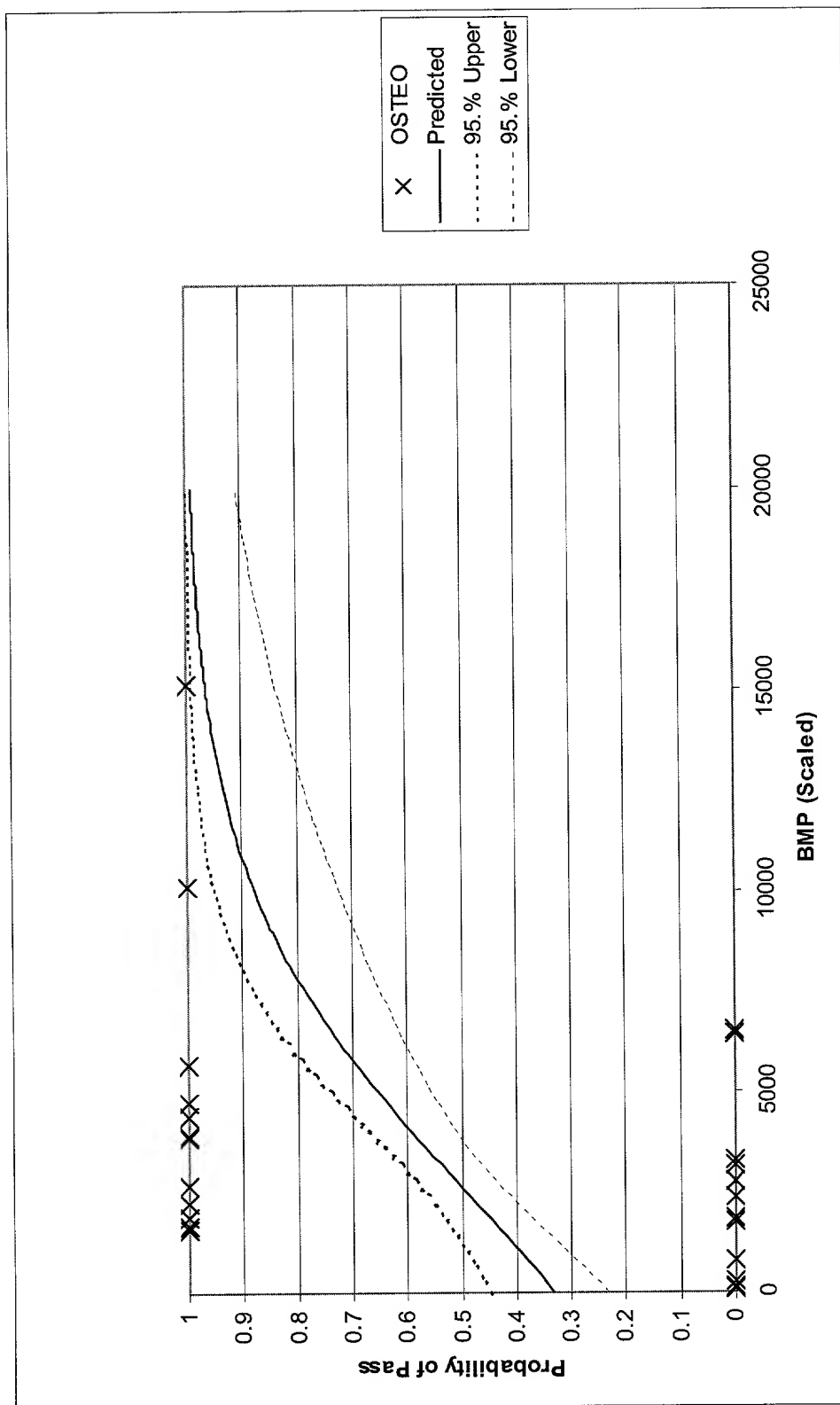


FIGURE 1

Probability Range	Total # Tested	# Pass	% Pass	# Fail	% Fail	# inflammation	% Pass wo/inflammation *
<40.5%	10	0	0	10	100		
40.5-50%	16	10	62.5	6	37.5		
50-60%	36	25	69.4	11	30.6	9	94.4
60-70%	41	27	66	14	34	12	95
70-75%	22	16	72.7	6	27.3	6	100
75-80%	19	14	73.7	5	26.3	5	100
>80%	60	53	88.3	7	11.7	7	100
Grand total	204	145		59			

FIGURE 2

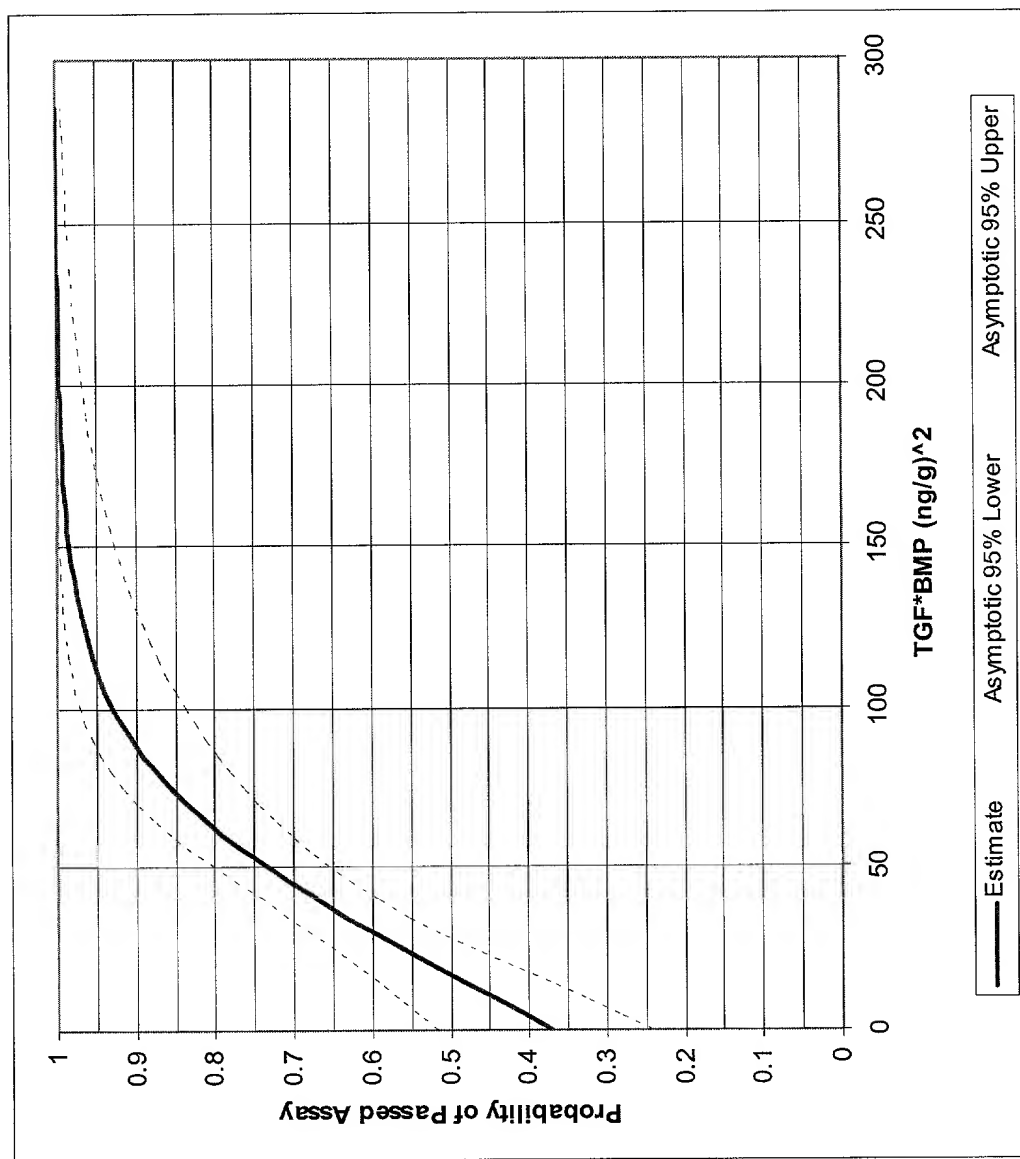


FIGURE 3

Observed and Logistic Estimate  
of the Percent Rat Assays that Pass OsteoInductivity

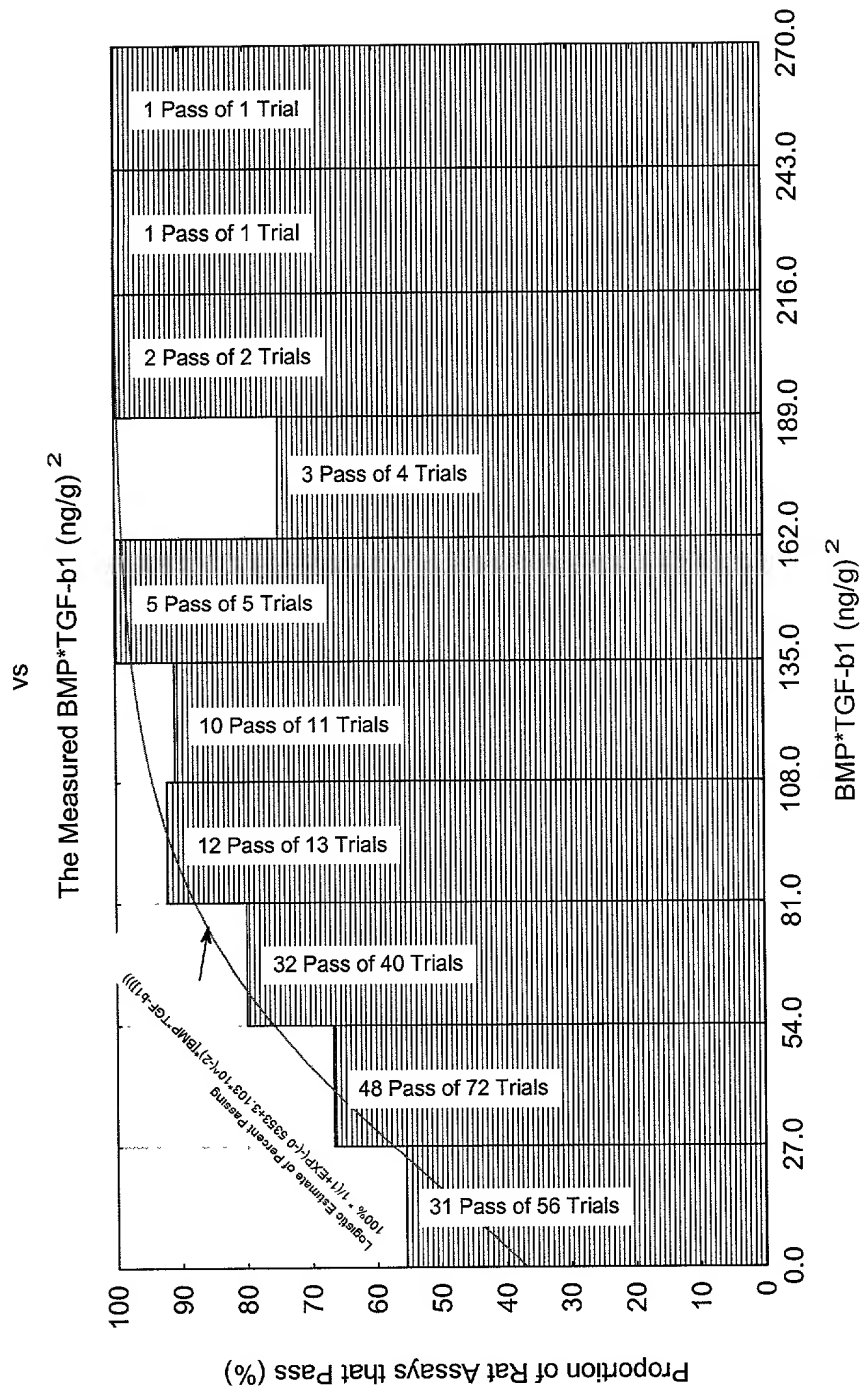


FIGURE 4

Distribution : BINOMIAL

Link function: LOGIT

Level of		Standard		Wald	
Effect	Column	Estimate	Error	Stat.	p
Interc	1	-0.535299	0.306756	3.045135	0.080979
BMP*TGF	2	3.1E-08	6.97E-09	19.82913	8.47E-06
Scale	1		0		

FIGURE 5

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	mean	st. dev.	minimum	maximum	
BMP	538.5	384.73	15.6000	2179.5	
TGF	102666.3	50908.00	886.2000	417608.0	
RATASSAY	.7	.46	0.0000	1.0	

FIGURE 6

	Const.B0	BMP	TGF
Estimate	1.36196	-.00246	-.00001
Standard Error	.51127	.00066	.00000
t(190)	2.66390	-3.73437	-2.71528
p-level	.00839	.00025	.00723
-95%CL	.35347	-.00376	-.00002
+95%CL	2.37045	-.00116	-.00000
Wald's Chi-square	7.09634	13.94552	7.37275
p-level	.00773	.00019	.00663
Odds ratio (unit ch)	3.90383	.99754	.99999
-95%CL	1.42400	.99624	.99998
+95%CL	10.70216	.99884	1.00000
Odds ratio (range)		.00486	.01388
-95%CL		.00029	.00062
+95%CL		.08099	.31036

FIGURE 7

Model: Logistic regression (logit)  

$$z = \exp(-1.36196 + (0.002462)x + (0.0000103)y) / (1 + \exp(-1.36196 + (0.002462)x + (0.0000103)y))$$

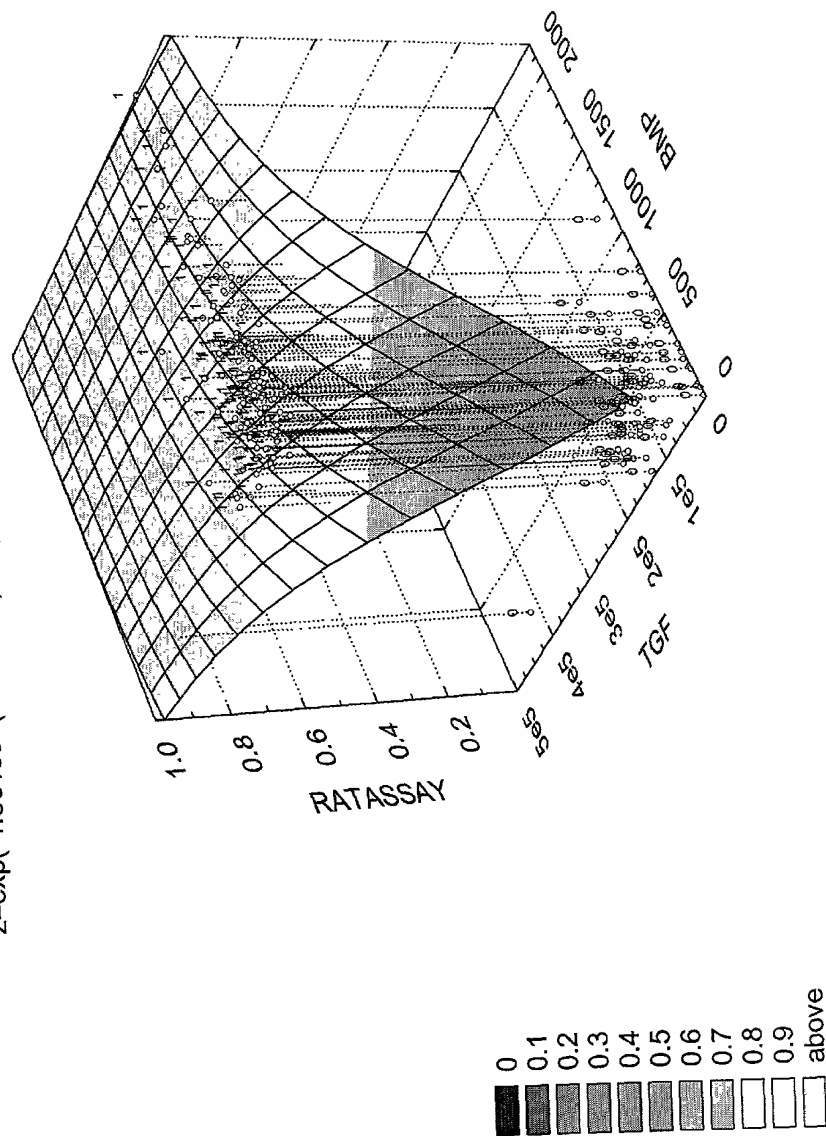


FIGURE 8



Model: Logistic regression (logit)  

$$z = \exp(-1.36196 + (0.002462) * x + (0.0000103) * y) / (1 + \exp(-1.36196 + (0.002462) * x + (0.0000103) * y))$$

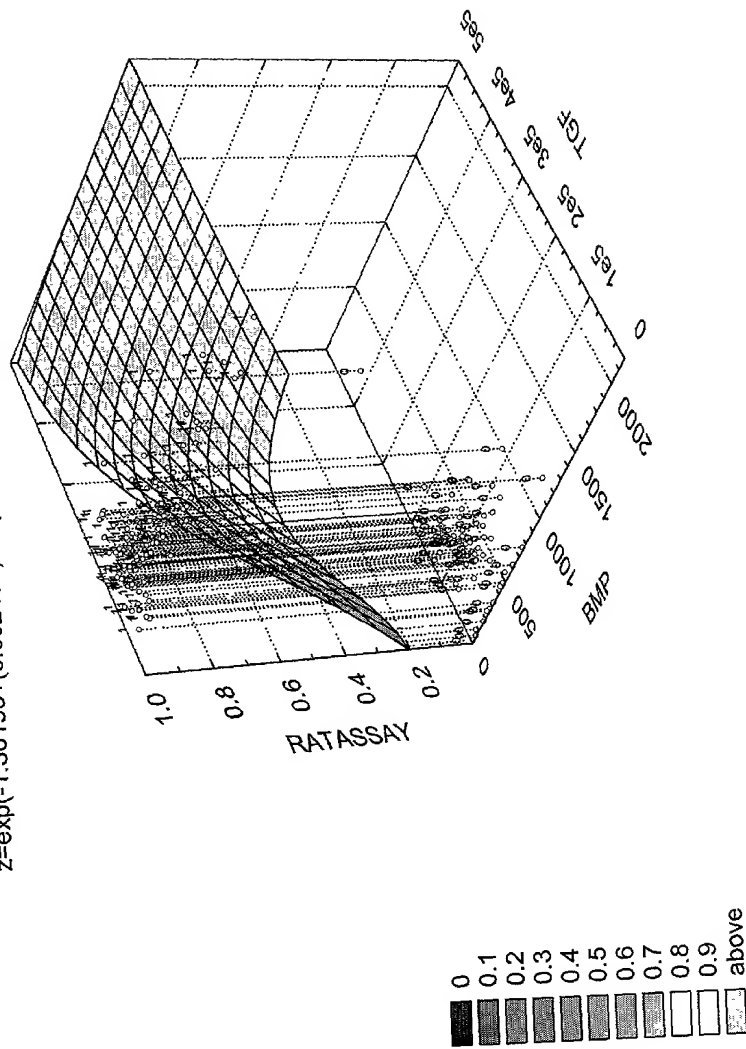


Figure 9

Model: Logistic regression (logit)

$$z = \exp(-1.36196 + (0.002462)^*x + (0.0000103)^*y) / (1 + \exp(-1.36196 + (0.002462)^*x + (0.0000103)^*y))$$

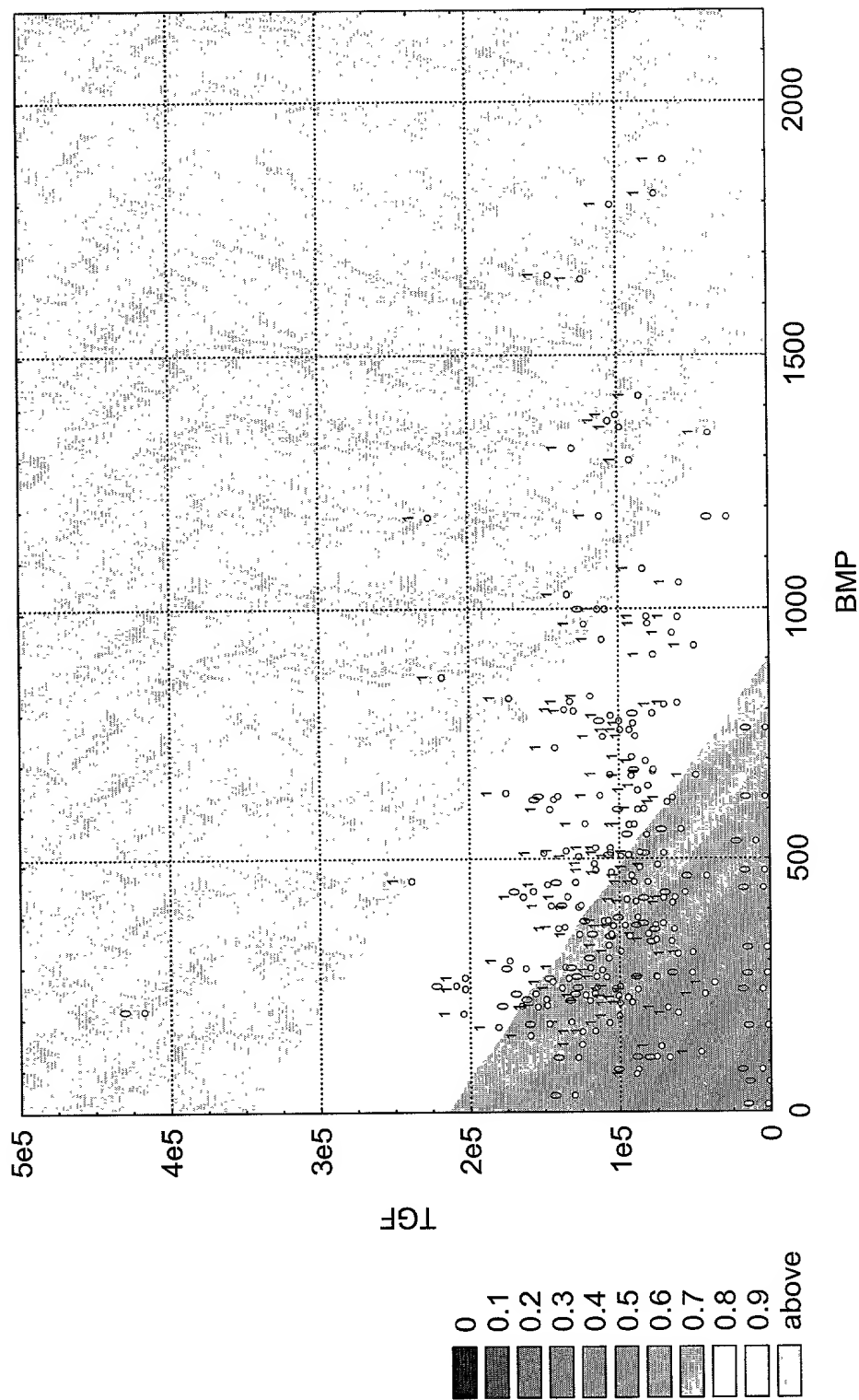


FIGURE 10

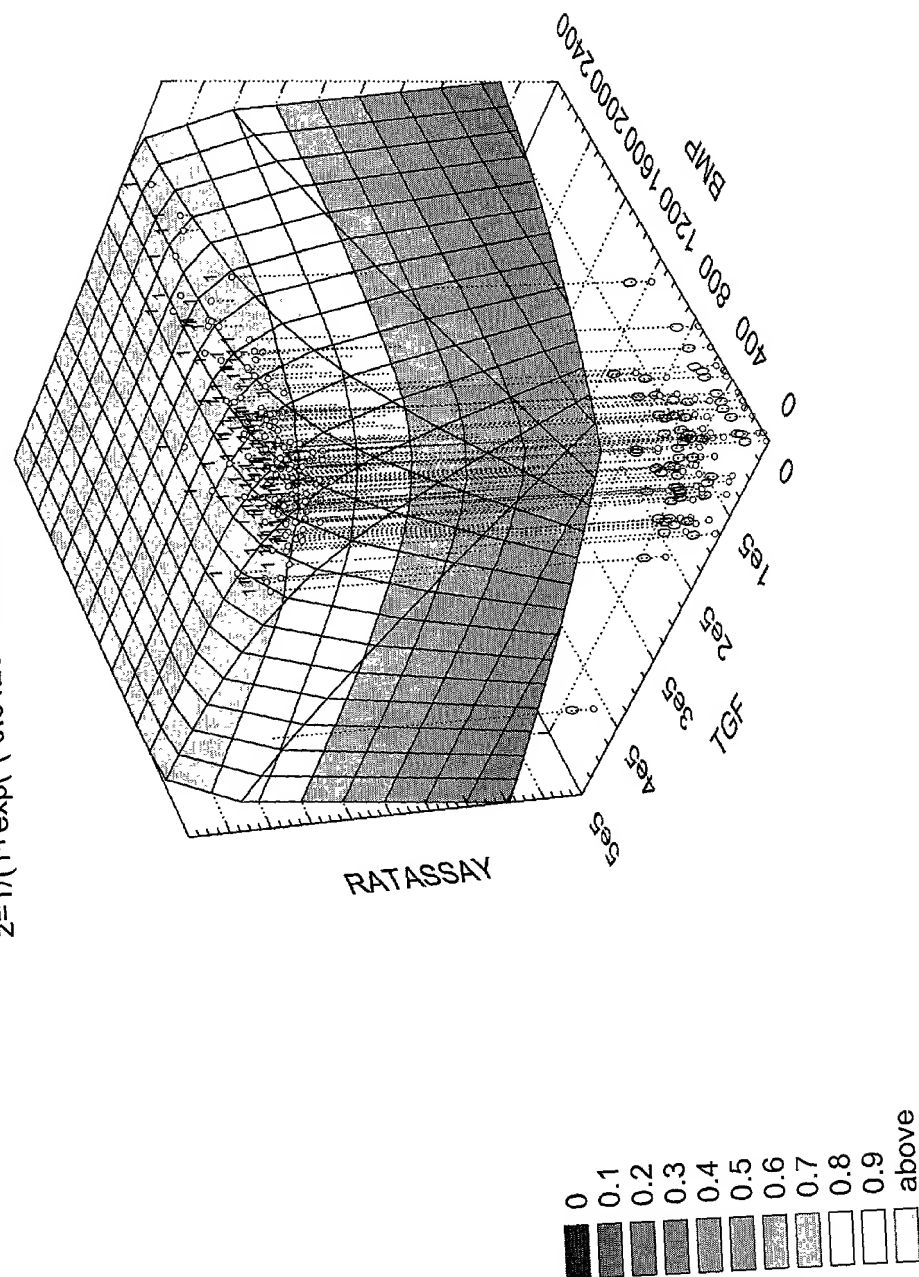
Predictor	Coef	StDev	Z	P	Odds Ratio	95% CI Lower
Upper						
Constant	-0.3123	0.6476	-0.48	0.630		
BMP	-0.000584	0.001451	-0.40	0.688	1.00	1.00
1.00						
TGF	-2.240E-06	6.3731E-06	-0.35	0.725	1.00	1.00
1.00						
BMP*TGF	3.7291E-08	1.7152E-08	2.17	0.030	1.00	1.00
1.00						

Log-Likelihood = -102.711

Test that all slopes are zero: G = 32.206, DF = 3, P-Value = 0.000

FIGURE 11

3D Contour Plot (Elisa.STA 10v\*194c)

$$z=1/(1+\exp(-(-0.3123-0.0005835x-2.240E-06y+3.7290E-08x*y)))$$


[illegible]

3D Contour Plot (Elisa.STA 10v\*194c)

$$z=1/(1+\exp(-(-0.3123-0.0005835*x-2.240E-06*y+3.7290E-08*x*y)))$$

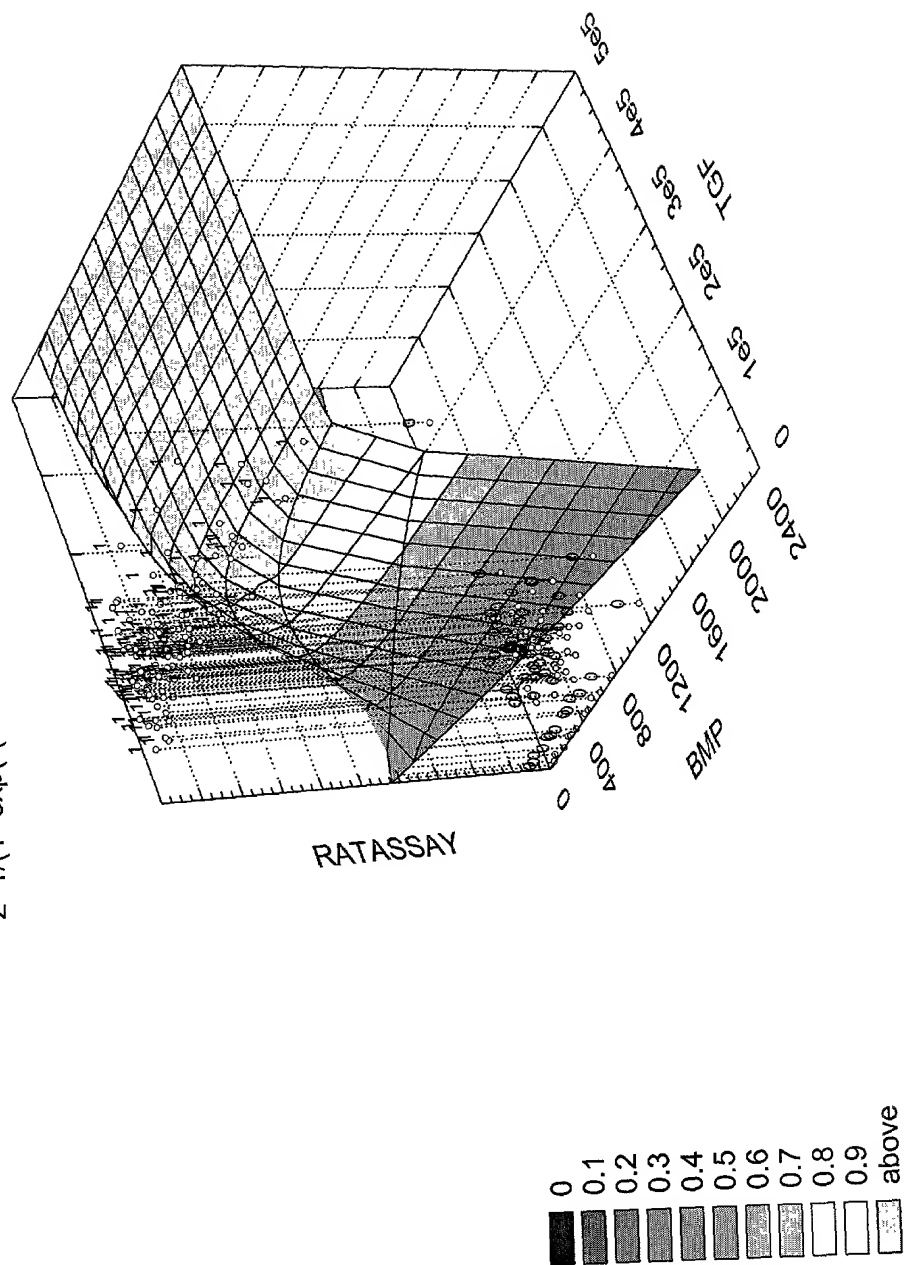


FIGURE 13

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3D Contour Plot (Elisa.STA 10v\*194c)

$$z=1/(1+\exp(-0.3123-0.0005835*x-2.240E-06*y+3.7290E-08*x*y)))$$

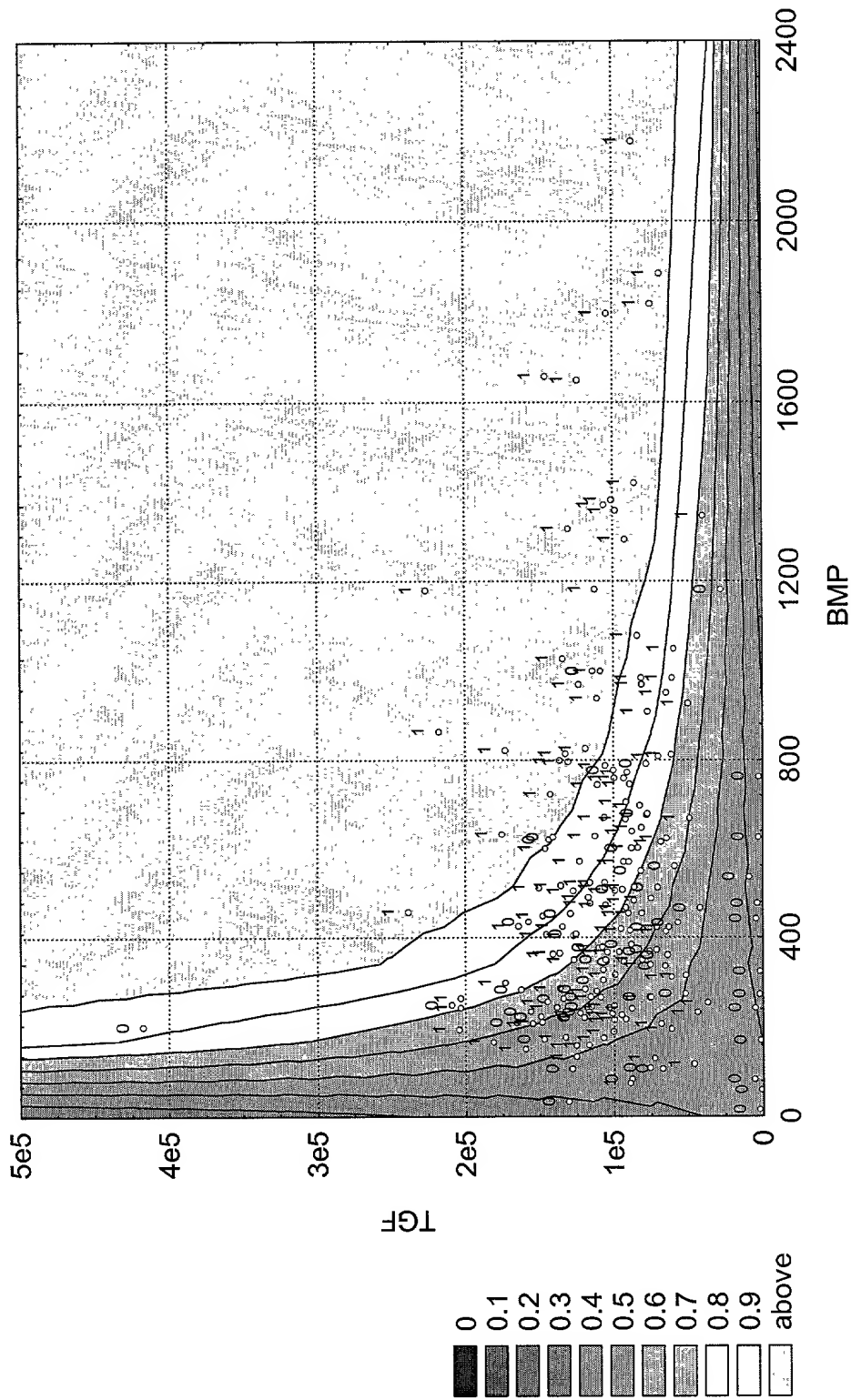


FIGURE 14

RATASSAY - Parameter estimates (elisa.sta)					
Distribution : BINOMIAL					
Link function: LOGIT					
	Level of				
	Effect	Column	Estimate	Standard Error	Wald Stat. p
Interc		1	-0.535299	0.306756	3.045135 0.080979
BMP*TGF		2	3.1E-08	6.97E-09	19.82913 8.47E-06
Scale		1		0	
Statistica '99					

FIGURE 15

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3D Contour Plot (Elisa.STA 10v\*194c)

$$z = \exp(-0.535308 + (3.10276e-8) * x * y) / (1 + \exp(-0.535308 + (3.10276e-8) * x * y))$$

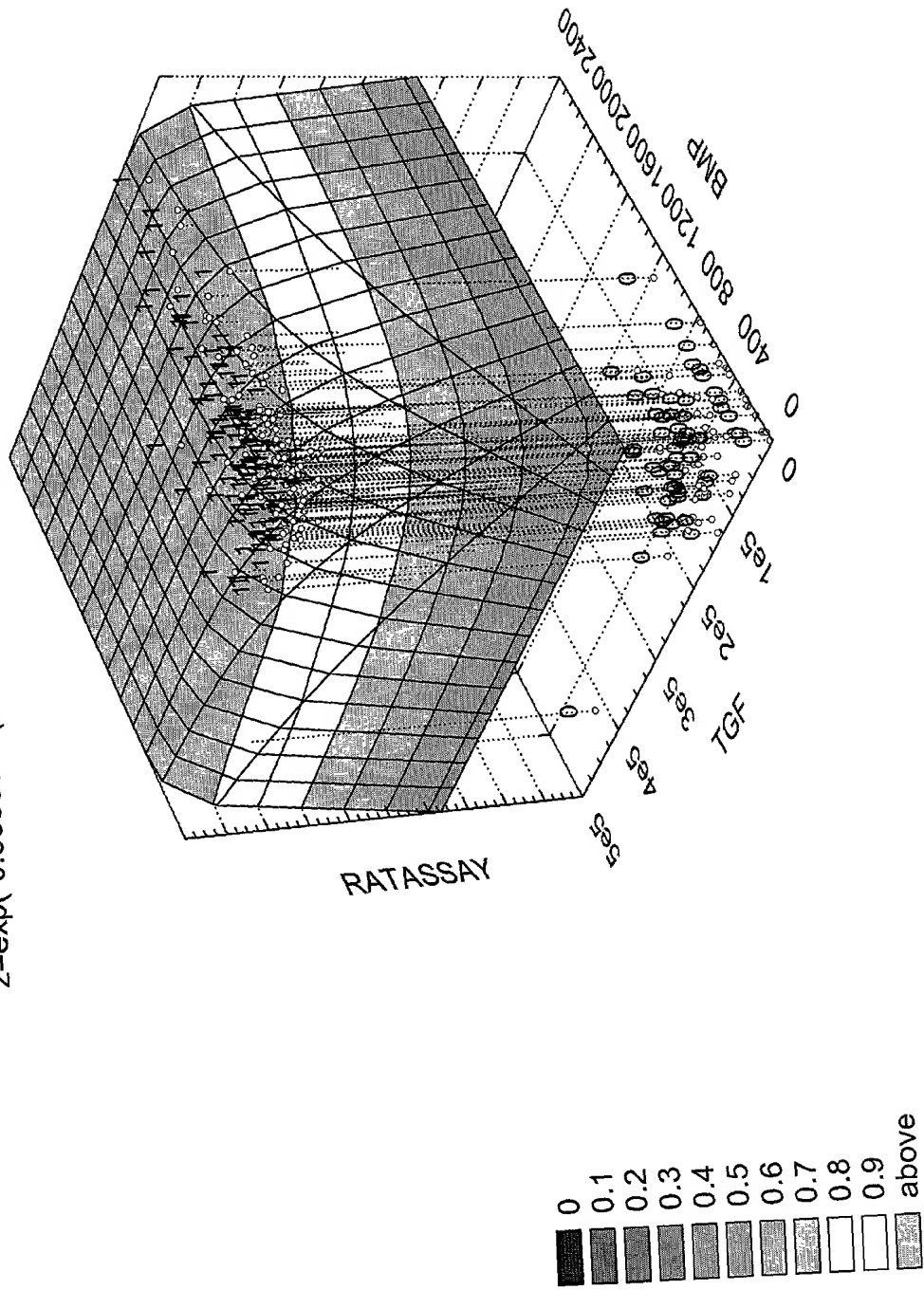


FIGURE 16



108040" 8246860

3D Contour Plot (Elisa.STA 10v\*194c)  

$$z = \exp(-0.535308 + (3.10276e-8) \cdot x \cdot y) / (1 + \exp(-0.535308 + (3.10276e-8) \cdot x \cdot y))$$

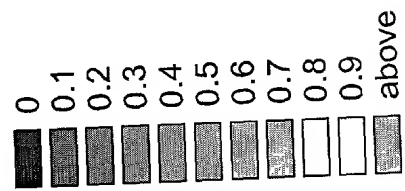
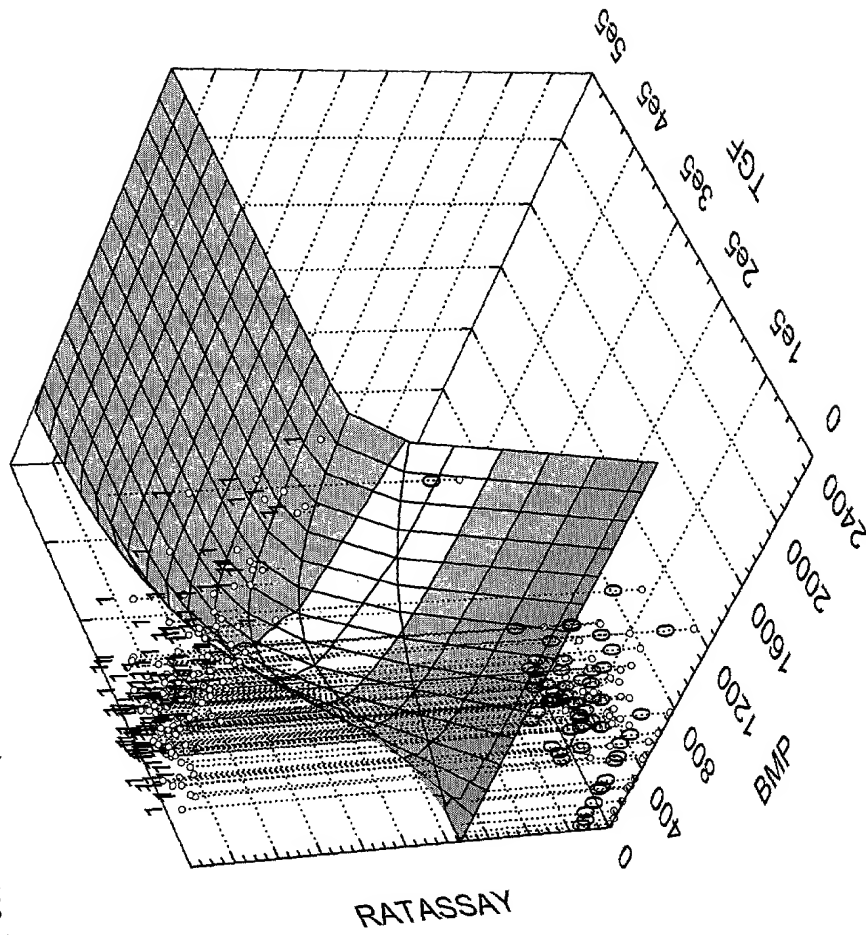


FIGURE 17

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3D Contour Plot (Elisa.STA 10v\*194c)

$$z=1/(1+\exp(-(-0.3123-0.0005835*x-2.240E-06*y+3.7290E-08*x*y)))$$

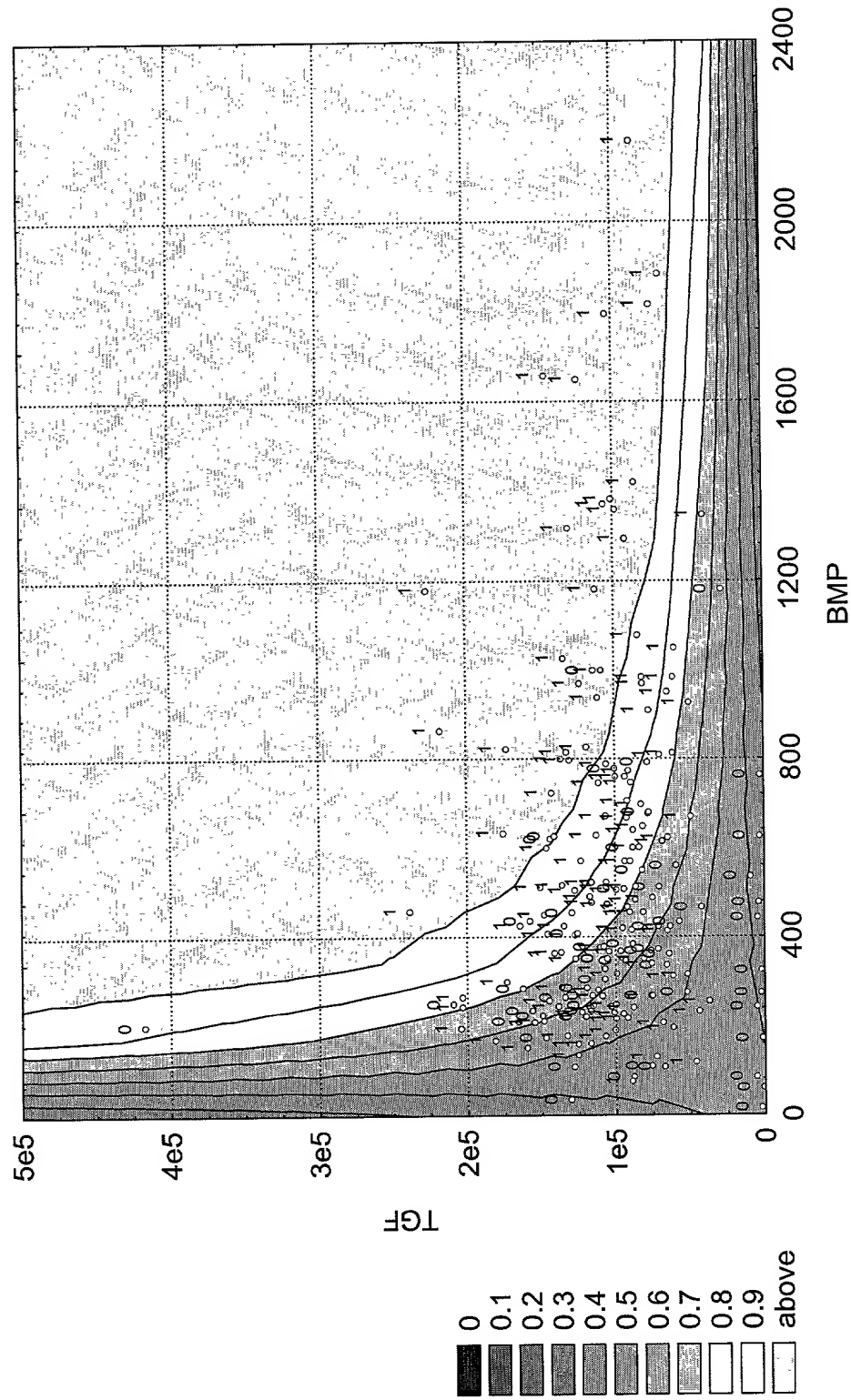


FIGURE 18

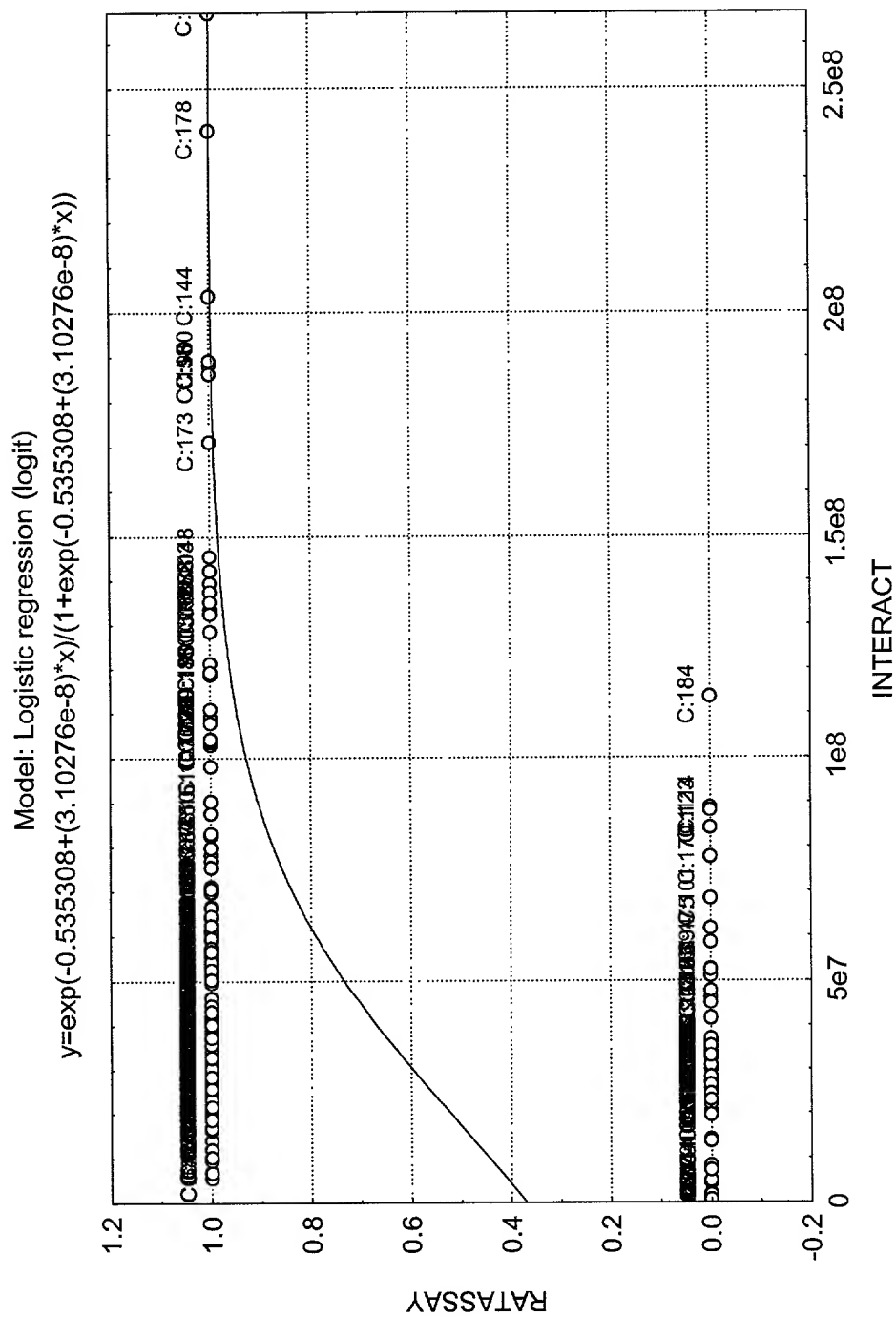
[illegible]

FIGURE 19